

Message Text

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AMEMBASSY STOCKHOLM
AMEMBASSY OTTAWA
AMEMBASSY TOKYO
AMEMBASSY NEW DELHI
USMISSION NATO
ERDA HQ WASHDC
ERDA GERMANTOWN MD
SECDEF WASHDC
C O N F I D E N T I A L

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E.O. 11652: N/A
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SUBJ: CCD: FOURTH ROUND OF AD HOC SEISMIC EXPERTS GROUP:
THIRD PLENARY MEETING

1. SUMMARY: THE THIRD PLENARY MEETING OF THE FOURTH ROUND OF
THE AD HOC SEISMIC EXPERTS GROUP WAS HELD ON AUGUST 3. THE
DISCUSSION OF THE DRAFT OF CHAPTER 8 (ON NETWORK CAPABILITY)
WAS COMPLETED. THE INITIAL DRAFT OF CHAPTER 9 (ON EXPERIMEN-
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TAL EXERCISES) WAS PRESENTED. FINAL COMMENTS ON THIS LATTER
CHAPTER WILL BE GIVEN DURING THE NEXT SESSION, AUGUST 4 IN
THE AFTERNOON. END SUMMARY.

2. FILSON (US) RESPONDED TO THE COMMENTS AND PROPOSALS
SUGGESTED BY SEVERAL DELEGATES DURING THE PREVIOUS PLENARY
(SEE SEPTTEL GENEVA 6556). FOLLOWING A SUGGESTION BY PASSET-

CHNIK (USSR), THE CAPABILITY OF A THEORETICAL NETWORK WHICH CONTAINS SRO'S AT EACH STATION LOCATION WILL BE DISCUSSED. SOME REFERENCE TO THE CAPABILITY OF THE STATIONS REPORTING TO THE INTERNATIONAL SEISMIC CENTER (ISC) WILL BE MADE SO THAT OTHERS ARE NOT MISLED ABOUT THE WORK THAT IS NEEDED TO BRING THE EXISTING NETWORK CAPABILITY UP TO THAT PREDICTED IN MODEL STUDIES. COMMENTS WILL BE GIVEN ON POSSIBLE LOCATION CAPABILITY IMPROVEMENTS USING CALIBRATED TRAVEL TIME CURVES, ON DETECTING SHORT PERIOD IDENTIFICATION PARAMETERS WITH A SIGNAL-TO-NOISE RATIO OF 3, ON USING COMBINATIONS OF IDENTIFICATION PARAMETERS, ON USING TWO-STATION DETECTION FOR MS NETWORK CAPABILITY AND THE QUESTION OF WHETHER THIS PROCEDURE IS ADQUATE, AND ON USING ONLY TELESEISMIC ARRIVALS TO DETERMINE DETECTION CAPABILITY. ALL OF THESE ADDITIONS CAN BE INCORPORATED INTO CHAPTER 8 WITHOUT MAJOR REVISIONS.

3. THE DISCUSSION OF CHAPTER 9 (PROPOSAL FOR EXPERIMENTAL EXERCISES) WAS STRAIGHT-FORWARD AND LACKING IN CONTROVERSY. BASHAM (CANADA) STATED THE DRAFT WAS EXCELLENT, AND GAVE SOME MINOR EDITORIAL CORRECTIONS. PASSETCHNIK (USSR) SUGGESTED THAT THE LOWER NETWORK CAPABILITIES IN THE SOUTHERN HEMISPHERE BE MENTIONED. OCOLA (PERU) SUGGESTED THAT POSSIBLY THE DATA EXCHANGE SHOULD ALSO INCLUDE THE EXCHANGE OF COMPUTER SOFTWARE. ERICSSON (CHAIRMAN) RESPONDED THAT THE GENERAL GROUND RULES FOR THE DATA EXCHANGE HAD BEEN DECIDED AT THE INITIAL ROUND OF THE AD HOC GROUP. OCOLA (PERU) ALSO LIMITED OFFICIAL USE

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MENTIONED THAT ONE APPROACH WHICH COULD BE USED IN INCREASE THE NETWORK CAPABILITY IN THE SOUTHERN HEMISPHERE WOULD BE TO USE OCEAN-BOTTOM SEISMOMETERS. FILSON (US) SUGGESTED THAT THE ADDITIONAL WORKLOAD PLACED ON SEISMIC STATION OPERATORS AND DATA ANALYSTS SHOULD BE INDICATED IN THE TEXT SO THAT GOVERNMENTS HAVE SOME INDICATION THAT RESOURCES WILL HAVE TO BE COMMITTED IF SUCH AN EXERCISE TAKE PLACE. (COMMENT: THIS CHAPTER WILL POINT OUT TO THE CCD THAT THE AD HOC GROUP COULD REMAIN INTACT AFTER DELIVERY OF THE FINAL REPORT AND, UPON DIRECTION OF THE CCD, STUDY AND DESIGN A PRECISE PLAN FOR AN EXPERIMENTAL EXERCISE TO DETERMINE THE CAPABILITIES OF THE EXISTING STATIONS). FINAL DISCUSSION OF THIS DRAFT WILL BE DISCUSSED AT THE NEXT MEETING, AUGUST 4 IN THE AFTERNOON. VANDEN HUEVEL

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